

Robert J. Lovero
Mayor



Charles D. Lazzara
Building Director

A Century of Progress with Pride

6700 West 26th Street Berwyn, Illinois 60402-0701 Telephone: (708) 788-2660 Fax: (708) 788-1427
www.berwyn-il.gov

City of Berwyn
Building Department
Plumbing Requirements

All shut off openings in street must be backfilled with 36" of sand and patched with minimum 8" of concrete and 2" hot asphalt.

Sewer Work:

Not less than SDR 26 will be allowed for sewer service line starting 5 feet outside of building to saddle at sewer main. Clay tile push pipe is allowed. All sewer taps must be made by a cored hole into sewer main and a saddle must be used. All sewer connections underground that are not made with fittings shall be made by mission couplings. No cement joints. Non-sheer couplings shall be used for final connections at each end.

All underground water supply piping shall be 1" min. type "K" copper or ductile iron. Tapping water main requires a saddle and a full port gate valve on each side of the water meter.

Water and sewer service lines must be in separate trenches spaced 10 feet apart.

Storm water lines, downspouts and drain tiles must be connected to the sanitary sewer in the parkway.

All horizontal sewer connections inside and outside of building as well as all waste connections from plumbing fixtures shall be made with 45 degree fittings.

Flood Control:

All manholes for flood control devices must be equipped with a seal-tight ring and bolted lid.

Footing Tile Drains and Sump Pumps:

Perforated SDR 26 with filter sock must be used for drainage tile. Corrugated ADS drain tile is not permitted.

New Construction Only:

Below grade fixture drains shall drain into a sewage ejector basin and be pumped to the building sewer overhead. The basin shall have a bolted, gas-tight lid with a gasket and be vented. Plastic basins are permitted for residential properties only. Cast iron basins are required for commercial properties.

Underground sewer pipe inside the building shall be 4" min. hub type cast iron, or PVC installed on gravel bed per city code. (See drawings)

All sewer pipe passing through foundation wall must be 4" Ductile Iron with a cleanout.

Cleanouts must be provided at the base of each stack. Cleanouts for SDR 26 pipe must be glued joint.

Underground transitions from cast iron to clay tile shall be made with non-shear couplings.

Outside sewer repairs must be made with clay tile push pipe or no less than SDR 26 and the final connection only shall be with a non-shear coupling.

All waste and venting must be done according to Illinois State Plumbing Code.

All vents through roof shall be installed with lead flashings. Soil stacks and kitchen stacks must be vented through roof separately.

Requirements for Trap Cleanouts:

P-traps on above ground bathtub drains shall be located directly below tub overflow. Traps shall be solidly connected to the tub waste. Above ground bathtub traps shall be 2" min. Below ground bathtub traps shall be 4" min.

All above ground potable water pipe inside building shall be type "L" copper per code. All underground water pipe shall be 1" min. type "K" copper.

Brass fittings must be used when joining copper pipe to galvanized pipe.

All sill cocks shall have vacuum breakers. A Watts AA backflow preventer must be used on laundry trays and washing machine supplies.

All gas burning appliances shall be hard piped with black iron gas pipe and fittings (furnace, boiler, water heater.) Only moveable gas burning appliances shall be connected to gas supply with flexible gas connectors (stove, dryer.)

Flexible water connections to water heaters are not allowed. Plastic water supply connections to plumbing fixtures are not allowed.

Backflow prevention Ordinance has been Adopted:

Water service to all commercial buildings shall be protected from backflow with an RPZ valve. Commercial boilers shall be equipped with an RPZ valve.

Residential boilers shall be equipped with a Watts 9D double check valve. Lawn sprinkler installations shall include an RPZ valve. RPZ valves must match the size of the water service pipe. Annual RPZ valve inspections are required by a

contractor who is licensed and bonded with the City of Berwyn and who is a certified cross-connection control device inspector.

Plumbing permits must be obtained by the plumber scheduled to do the work.

Patching cast iron, galvanized, or copper pipe with PVC is not allowed.

Transitions from cast iron stacks to PVC shall remain PVC throughout the plumbing system.

No hub cast iron fittings are to be used with no hub cast iron pipe only.

Bell & spigot fittings are to be used with bell & spigot pipe only.

Fernco fittings or mission couplings are not allowed above ground as a transition fitting.

Residential buildings exceeding 3 stories are considered commercial plumbing.

PVC vents through roof shall be installed with lead flashing.

Interior underground piping: Drains shall be 4" min. Vents shall be 2" min.

Interior underground P-trap size for tubs, showers and floor drains: 4" min.

Potable water supply pipe underground shall be 1" min. type "K" copper.

Solder joints on water pipes underground are not allowed.

Potable water supply pipe above ground shall be type "L" copper, NOT type "M".

Installation of water pipes in unheated areas is not allowed.

Metal guards shall be installed on studs to protect pipes from drywall fasteners.

New drain pipes require a 1-hour Head Test with water.

Poured shower bases must be lined with lead or CPVC.

Plastic/Acrylic tubs and shower bases shall be set in grout.

Tub and shower valves shall be pressure balance type to EPA specifications.

Ejector pump discharge requires comb. Check valve & positive shut-off valve.

Hose bibs, laundry tub faucets, etc must be equipped with anti siphon device.

Dishwasher discharge hoses cannot connect to garbage disposal inlet.

Gas fired water heaters cannot be installed on combustible floors.